

# ENGINEERS Mecheleciiv GWU

NOVEMBER 1943

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## ENGINEERS MIX AGAIN

Anyone wandering around the first floor of Government at 8:45 on Wednesday evening, October 6th, would have found the Engineers massed for their annual Fall Mixer.

The meeting was opened with a short talk by Dean Feiker expressing congratulations to the engineers on their past performance in running their activities and also admonish them to remember their purpose in being in school—to learn. He was followed by Dr. Marvin and the presidents of the professional societies and fraternities. The professors were then introduced and the speeches were brought to an end by another talk by Dean Feiker, explaining for the benefit of the M-C what is meant by "acting head" and the reasons for such a title, and also telling the group what the professors on war leave are doing.

Two sound motion pictures were then presented, "Electrical Industry (Cont. on page 4)

## NEW SOCIETY PROPOSED

It has been proposed that a new society be formed here at GWU. It is to be a student branch of the Society for the Advancement of Management, known as the ASM, formerly two organizations, "Taylor Society," and "Society of Industrial Engineering." Dean Feiker is to be faculty advisor provided the organization is formed. Mr. Souther is the man behind the scheme, and proposes a meeting of all those interested in such a society early in November.

## "LADDERS-UP"

The toast is "Ladders-Up".

There is an old saying that if we stop growing we die. Technical education particularly, is a continuing education. What I learned in 1904 in physics and electrical engineering as to the concepts of energy and matter, are no longer taught as truth. To be a successful Physicist today I should have continued to study physics.

Here at George Washington University there is one basic theme running through all the instruction: helping young men and women to improve themselves—to take ladders-up.

Students may start at the lower or upper rungs of the ladder to success, depending on their educational preparation for college work. The thing to remember, however, is that education is not a horizontal platform on which to stand but a vertical ladder by which to climb. Some will climb higher than others, but all have the capacity to climb to some higher point. Many climb for a few (Cont. on page 6)

## SCHEDULE

Nov. 3 Wed. Societies

Nov. 10 Wed. Engineers' Council  
Theta Tau, short

Nov. 17 Wed. Sigma Tau, long

Nov. 24 Wed. Theta Tau, long  
December issue of MECHELECIV

Dec. 1 Wed. Societies

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WE--THE ENGINEERS

One of the girls who types the MECHELECIV made a remark in Prof-Akers' office one very busy Sunday that furnished the editor "food for thought." "I've noticed that the Engineers always spell 'Engineering' and everything pertaining to it with a capital letter...like it was something almost sacred." This simple fact reflects the true feeling and regard that Engineers have for their profession.

It is well known that Engineering students in most universities are inclined to be at least a little "clique-ish." The whys and wherefores of this are numerous but they all boil down to the fact that Engineering students have a deeper feeling of comradeship than do the students of most other franchises of study.

In most of us, this feeling is very strong. It is like a flame that starts at a very early age and is fed as we go through the Erector Set and the ten-cent electric motor stage.

By the time we enter the University, it's no wonder that there is such community of feeling between us and the kindred spirits we meet here.

(Cont. on page 6)

ENGINEERS AND PEOPLE

Prof. William G. Hayward...born & raised in Salt Lake City...attended Univ. of Utah, where he was a member of Theta Tau, and graduated in 1918 with the draft board breathing down his neck... (Ed. note--History certainly repeats itself)...enlisted in Officers Training Corps and graduated as 2nd Lt...worked 12 years in Utah & California doing design & construction on bridges, highways, & municipal design... been in Washington since 1930 with National Park Service... started teaching at G.W.U. about 4 years ago...pet hobby--trout fishing in mountains and crabbing in Chesapeake...pet sports--Victory gardening on a large scale... two children--daughter, at G.W.U. and son, aged 13, who wants to be an engineer...

George A. Kilpatrick... (Ed. note--Geo. was fooling Jr. when we got hold of him.)...Born in Philadelphia...He was a 3 letter man in H.S....played 2 years of football...attended Drexel Tech in Philly, 1932-33...on the Varsity track...100yds. (10 second man--Kincaid's comment--no hair to give him wind resistance) 220yds and 440 yds...works for the Navy Dept as a Structural Engineer in Bureau of Yards and Docks--about three years...has been with the Govt. since 1937...has attended G.W.U. since 1938... Am. Soc. Civil Engineers since 1938...Pres. of A.S.C.E...Theta Tau...Engineers' Council...Glee Club...Hobbies...athletics (likes any kind of sport) and singing (sings in church choir)...expects to graduate next year...Proud papa of a 4 month old boy...Geo. A. Jr., prospective C.E. about 1965...wife Blanch an Allentown school teacher...they met in Wash.

PUT YOUR MONEY IN WAR BONDS  
 AND YOUR BLOOD IN THE PANK.

M.E. and YOU

When the campus sorority girls heard that the M.E.'s were going to have a talk on Reduction Gears, by Mr. R. Michel, they were planning to attend our last meeting "en masse", thinking they would get some pointers on reducing the waistline. Unfortunately the Student Council held a dance on the same evening, so that the girls couldn't attend. However, our meeting was honored by the presence of Harmon Tyler, a charming feminine "engineer-to-be". When asked about the lecture, she said, "I knew all along that a Reduction Gear wasn't for reducing the waistline. It's for reducing the hips."

Well, anyway, we heard all the latest dope on the problems, and tricks for licking said problems, of Reduction Gearing on the Navy's battle-wagons and other ships which have been built in the last few years. Mr. Michel teaches a course in Vibrations in our Engineering School in which he goes into the vibrational difficulties of these giant gear trains which connect the ships' turbines with their propeller shafts. The inherent high speed characteristic of the steam turbine and the low-speed characteristics of a ship's propeller necessitates the use of such gears to obtain the required R.P.M. conversion. Quite a variety of unusually interesting difficulties arise and Mr. Michel gave us a broad picture of the method used by Engineers to conquer them.

We had a good turnout at the meeting and signed up eleven new men, and one new lady, who was mentioned above. As usual, we had the most delicious refreshments of all the societies in the school.

Our speaker for the November meeting has not as yet been announced by Prexie Boyd Horne, but notices will be sent around by mail announcing the time, date, and place, and speaker. You don't want to miss another of these swell talks, so don't fail to drop around.

SHC I CIRCUITS

As usual the main speaker of the evening at the first Branch meeting of the semester, Mr. R. J. Moore of the Telephone Co., held the interest of the old and new members alike with his inside information of the difficulties the Co. is having with shortages. Many of the new fellows attending their first meeting immediately joined the Institute. We're sure this is a move none of them will ever regret.

After the meeting the engineers caught the sound of music drifting thru the cool night air, and, by letting nature take its course, soon found some of that unrated womanhood dreamily gliding around the physical-torture chamber in their arms to the alternately soft and hot music of some local boys supplied by the Student Council.

Since the engineers have finally started to emerge a fullfledged socialites and men of culture, the E.E.'s are again contemplating another one of those truly enjoyable E.E. Lab dances to which all the best bands in the country furnish their talent for free. It is hoped that this occasion will be open to all the engineers so that the other half of the engineering school can see how the E.E.'s function when it comes to women.

Another item on the fire is the opportunity of members to present student papers at any of our regular meetings. Remember, students have priority over any outsider. The subject may be about anything of interest only remotely connected with engineering. If an inspiration hits you like a bolt of lightning get in touch with Dominic Taffolo, in charge of papers.

Speaking of lightning reminds us that the end of a perfectly good file was melted off in the lab by our new instructor, Ned Schreiner, when, while cleaning up some starting box contacts he tried to clean simultaneously some that were exactly 220 volts apart. After the sparks and smoke cleared away it was found that only the file he still held in his hand was damaged. No account was taken of shattered nerves.

Next A.I.E.E. meeting, November 3rd.

AM. SOC. C. E.

The C.E.'s speaker at the last society meeting was Lt. Comdr. Down Johnstone, C.E.C., U.S.N., who gave a very interesting talk entitled "Some Outstanding Cases Dealing with Engineering Law."

His talk covered the moral and principle parts of law as covered in contracts. Engineers, for the Good Lord's sake, make sure you know what kind of contract you are signing before you start the construction work--don't be like the fellow who built the school house and hasn't been able to receive what is due him because of a certain principal involved in the case.

The C.E.'s next meeting will be held in Bldg. D, Room 202, at 8:00 P.M., on November 3rd.

We expect to have something of interest to the C.E.'s at our next meeting. All C.E.'s and other students interested are all ways welcome to our meetings. Come out and meet the famous Engineers of today and the future lights of the profession.

**ENGINEERS MIX AGAIN**  
(Cont. from page 1)

at the end of the evening at 7:15-  
followed by the best speech of the evening--  
Refreshments are being served in the  
pavilion.

Trifles make perfection, and perfection is no trifle.

You can't compete in business today with yesterday's methods if you want to be in business tomorrow.

What you make of your work is important, but what your work makes of you is more important.

Who seeks and will not take when once 'tis offered, shall never find it more.

THETA TAU

Gamma Beta Chapter again celebrated Founders' Day with a very successful Initiation Banquet and Dance, on Saturday night, Oct. 16th.

Col. Deacon Ames and Brother Dean Feiker added their faithful presence which is more significant than it might seem, for without their support these functions could not inspire the interest and enthusiasm which keeps Gamma Beta up and coming.

We were all very happy to have Brothers Kely and Thomas, privates in Uncle Sam's Army, who are continuing their engineering education at Penn State under the Army program.

For the first time since his graduation we saw Carl Estabrook. He has two stripes on his Naval uniform. Since we saw him last he has acquired a wife and son. Brothers Bert Randall, Ed Shytte, Tilly Ellorboyer, Sherman and Reaser, of the first of Gamma Beta were also present.

Nearly all Past Regents of Gamma Beta were present. We all regretted the absence of Uncle George and Col. Mathett, who were our old standbys on previous occasions.

The Alumni are invited and will be expected at our next regular meeting on Oct 27th. If you know an alumnus, don't forget to remind him that his support is needed because the Army and Navy program is depleting the ranks of the active members.

We hear that the Engineers are becoming popular with the socialites on the campus. If you wonder why, we do have some very handsome young men among us and we always thought we weren't so bad.

FLASH! Lt. Bob Randall, of the U.S. Coast and Geodetic Survey, as of 3 AM today, Oct. 24th, is the proud papa of a 7 lb. 9 oz boy, making this the hottest news the MECHEELECIV ever carried.



SIG A TAU

XI says:

The news of perhaps most general interest this week is the institution of a Committee on Special Instruction by the chapter this last week. Because his office is practically a main highway for the members of the Engineering School, Ned Schreiner was made chairman of this committee of one. It is hoped that all prospective engineers who feel a little shaky in some of their subjects will get in touch with him so that he can arrange hours with one of the members of the fraternity which will be mutually convenient to the parties interested. Ned can be reached in room M.E. 310 any weekday after 11 AM. If a girl answers, hang up.

Those readers who have seen a recent issue of the Hatchet already know that the fraternity initiated four new members into its ranks two weeks ago. In case you missed the previous article, they were two honorary members, Dr. Forrest K. Harris, physicist at the Bureau of Standards and lecturer on Electrical Measurements at GWU, Prof. Carl H. Walther, professor of Civil Engineering, and two student members, William T. Andrews, B.E. E. '44, and Rudolph Gareau, B. M. E. '45. Sigma Tau is pleased to welcome them and the Engineering School is proud of their accomplishments.

We heard recently from two of our members who graduated not long ago. Max Solow, who was in the enlisted reserves while he was finishing his senior year, is now in Camp Crowder, Missouri, taking six weeks of basic training. Although Max was a high honor graduate in electrical engineering, he reports that his chances of entering Officers Candidate School appear mighty slim at the present time. It is too bad a good man like Max can't be better used than that. The complaint is ours, though, and not Max's. Whit Beatson, B.E.E. in June, '43 was commissioned Ensign, USNR, during the summer and is now taking his indoctrination course for Naval Ordinance.

AS I SAW IT

As I saw it around the campus, while interviewing several members of the Student Body, there are as many reasons for participating in the extra-curricular activities as there are activities to participate in.

Chuck Daugherty, President of the Student Council, told me his main reason for working in activities is "to meet people." He believes that his many sleepless nights spent in putting the Hatchet to bed were well spent and worth many times the lost "shut eye." There at the Hatchet office he met hundreds of people and made many lasting friendships. His work in the Student Council, Glee Club, etc. has also been valuable from this angle.

Beryl Conklin believes that she works in activities to develop various specific interests and learn the most valuable thing in life, "how to get along with people"—how to work for people and how to get people to work for her.

Joe Riech, an M.E., who isn't active in campus organizations, believes that they are valuable in an educational system and regrets that his home ties make participation impossible for him... other than membership in the A.S.M.E. There are a lot of men on this campus, and particularly in the Engineering School.

Dr. Marvin has expressed his belief that activities are a necessary part of education, as have Dean Feiker and the professors of the school.

The Engineers go into activities, on the whole, for professional advancement, but once there, they often find it is more than a chance to get a few extra facts on the construction of a bridge, or what have you. They carry on the spirit of the profession—and so it is that we have the Engineers' Council, the fraternities, and this paper.

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We do not stop playing because we grow old. We grow old because we stop playing.—Herbert Spencer



## SCHOOL DAZE !



My girl drives me nuts when she talks about her college home that drank so a purple ink and blood bridge.

"Lad, if it would you do if I told you in my arms and kissed you?"

"Well for father."

"Yes, I thought he was in China."

"He is."

"I wonder why women don't grow mustaches."

"Didn't ever see grass grow on a race track."

The Pointer

"Lad 'As-Up"

(Cont. from page 1)

reach the top.

An engineering degree is only part of up the ladder of life but it's a good start toward professional success. But you do after graduation in the or cases of your profession, is seeking your technical contacts through reading and membership in your professional societies, counts greatly if you are to continue to climb.

The creative thing in what we call "the American way" is this climbing spirit of wanting to continue to grow.

The toast is "LAD-AS-UP".

Don Pointer

For years the two sexes have been racing for supremacy. Now they have settled down to neck and neck.

"My foot hurt."

"That's the water."

"I've been biting my nails again."

The next time you are bored, buy a can of crushed pine poles and try to fit the pieces together.

Another time when you like to see a girl stick to her knitting is when she's wearing a bathing suit.

EE--THE ENGINEERS

(Cont. from page 2)

Of the students that start engineering in American colleges, from 30-80% drop out into other fields of study.

One fact alone is a species apart from and above the rest. It must be to be successful student of engineering. It have to do more than enroll in the prescribed curriculum---we must cut and breathe and live engineering.

Genius begins great works, but alone finishes them. Schubert

The Gods cannot help one who loses opportunities.

Lincoln, 289 LC

Philip "poco" says hello and goodbye